


Female connector - RC/TWGM/KVD/LBL 16+3 - 1685518

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Socket M23, 19-pos., angled, shielded, freely configurable, with solder connection, for external cable diameter 9.5 mm ... 14.5 mm



Key Commercial Data

| | |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc |
| GTIN |  4 017918 878917 |
| GTIN | 4017918878917 |

Technical data

General

| | |
|---------------------|--------------------------------------------------------------------------------------------|
| Rated voltage | 150 V |
| Total rated current | 10 A (with 1 mm ² conductor cross section) |
| Number of positions | 19 |
| Note | The connector is designed for use on sensor/actuator boxes with an M23 plug-in connection. |

Ambient conditions

| | |
|---------------------------------|-------------------|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -20 °C ... 125 °C |

Master cable data/connection data

| | |
|---------------------------------------|---------------------|
| Connection method | M23 screw locking |
| Conductor cross section max. (signal) | 1 mm ² |
| Conductor cross section max. (energy) | 1.5 mm ² |
| External cable diameter min. | 9.5 mm |
| External cable diameter max. | 14.5 mm |

Insulation material

| | |
|------------------|-------|
| Housing material | GD-Zn |
|------------------|-------|

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Insulation material

| | |
|--------------------------|---------------|
| Housing surface material | Nickel-plated |
| Contact material | CuZn |
| Contact surface material | gold-plated |
| Contact carrier material | PBT |
| Sealing material | FPM |

Connection assignment

| | |
|---------------------------------------|-----------------------------|
| Slot/position = pin = conductor color | 1 / 4 (A) = 15 = WH |
| | 1 / 2 (B) = 7 = GY/PK |
| | 2 / 4 (A) = 5 = GN |
| | 2 / 2 (B) = 4 = RD/BU |
| | 3 / 4 (A) = 16 = YE |
| | 3 / 2 (B) = 8 = WH/GN |
| | 4 / 4 (A) = 3 = GY |
| | 4 / 2 (B) = 14 = BN/GN |
| | 5 / 4 (A) = 17 = PK |
| | 5 / 2 (B) = 9 = WH/YE |
| | 6 / 4 (A) = 2 = RD |
| | 6 / 2 (B) = 13 = YE/BN |
| | 7 / 4 (A) = 11 = BK |
| | 7 / 2 (B) = 10 = WH/GY |
| | 8 / 4 (A) = 1 = VT |
| | 8 / 2 (B) = 18 = GY/BN |
| | 1-8 / 1 (+ 120 V) = 19 = BN |
| | 1-8 / 3 (0 V) = 6 = BU |
| | 1-8 / 5 (PE) = 12 = GN/YE |

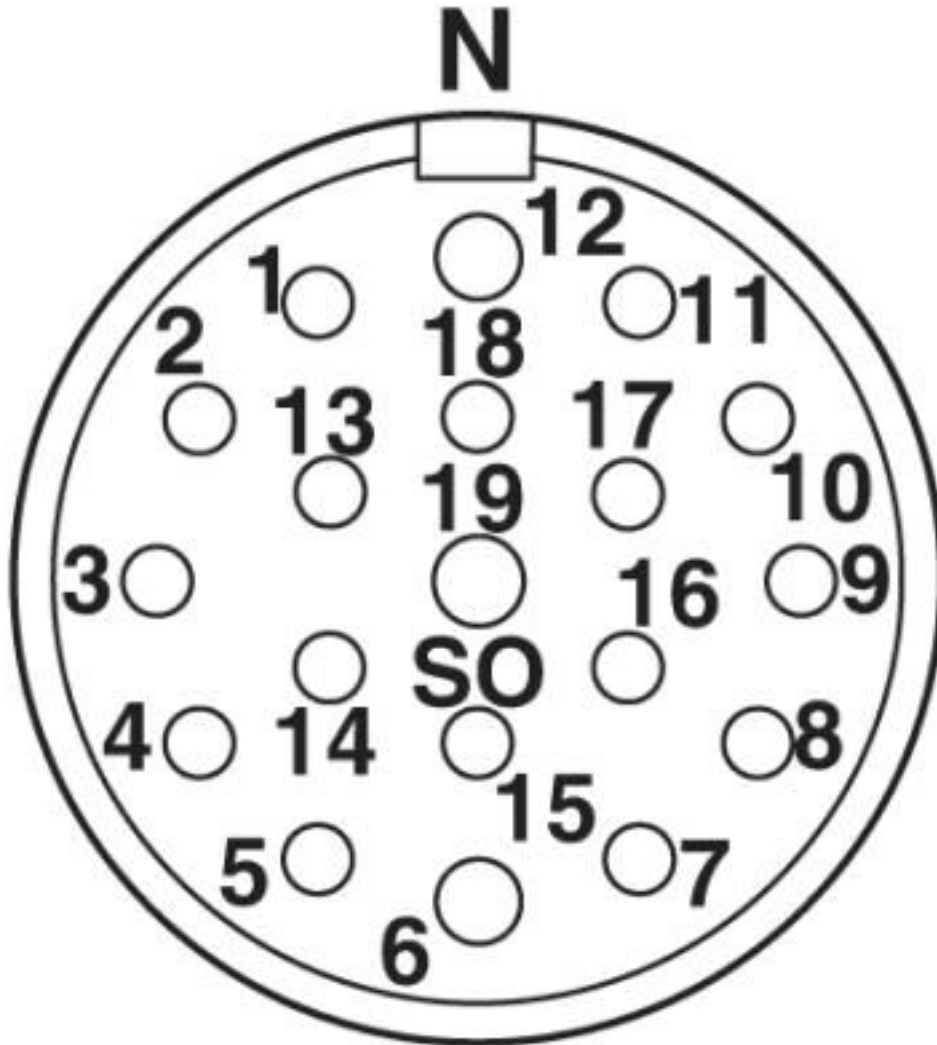
Environmental Product Compliance

| | |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Female connector - RC/TWGM/KVD/LBL 16+3 - 1685518

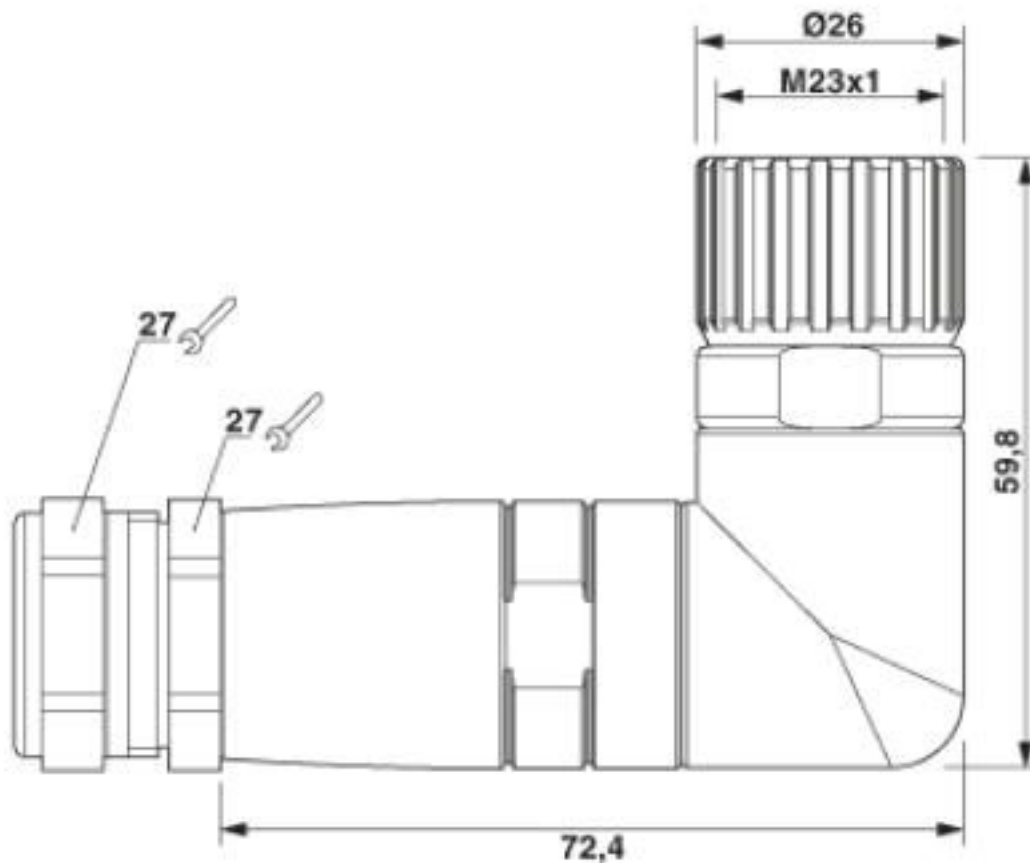
Schematic diagram



Pin assignment M23 socket, 19-pos., female side view

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Dimensional drawing



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440202 |
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27261200 |
| eCl@ss 6.0 | 27261200 |
| eCl@ss 7.0 | 27440202 |
| eCl@ss 8.0 | 27440202 |
| eCl@ss 9.0 | 27440202 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000437 |
| ETIM 3.0 | EC000437 |
| ETIM 4.0 | EC000437 |
| ETIM 5.0 | EC000437 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 6.0 | EC000437 |
| ETIM 7.0 | EC000437 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31261502 |
| UNSPSC 7.0901 | 31261502 |
| UNSPSC 11 | 31261502 |
| UNSPSC 12.01 | 31261502 |
| UNSPSC 13.2 | 31261501 |
| UNSPSC 18.0 | 31261501 |
| UNSPSC 19.0 | 31261501 |
| UNSPSC 20.0 | 31261501 |
| UNSPSC 21.0 | 31261501 |

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

| | | |
|-----|--|---------|
| EAC | | B.01687 |
|-----|--|---------|

Accessories

Accessories

Pipe spanner - PLUSCON-RCS - 1665062



Special pipe spanner, tool for mounting the M23 connector housing (with assembly), for coupling and sleeve housing

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